



# TL5 Essential HE Super 80

# TL5 Essential 28W/865 1SL/40

Philips TL5 Essential Super80 is a new fluorescent lamp which provides home users and professional end-users an aesthetic miniaturized lighting solution with high reliability at low price.

#### Warnings and Safety

• 20,000 hours lifetime (50% survival point, 3 hour cycle) with preheat ballast which is ENEC compliant. Lifetime performance may differ on non-ENEC compliant ballasts.

#### **Product data**

**General information** 

Cap-Base	G5 [ G5]		
Life to 50% Failures Preheat (Nom)	20000 h		
LSF Preheat 2000 h Rated	98 %		
LSF Preheat 4000 h Rated	97 %		
LSF Preheat 6000 h Rated	95 %		
LSF Preheat 8000 h Rated	93 %		
LSF Preheat 16000 h Rated	70 %		
LSF Preheat 20000 h Rated	50 %		
Light technical			
Color Code	865 [ CCT of 6500K]		
Luminous Flux (Nom)	2700 lm		
Luminous Flux (Rated) (Nom)	2600 lm		
Color Designation	Cool Daylight		
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	97 lm/W		
Correlated Color Temperature (Nom)	6500 K		
Luminous Efficacy (rated) (Nom) 94 lm/W			

Color Rendering Index (Max)	85		
Color Rendering Index (Min)	80		
Color Rendering Index (Nom)	82		
LLMF 2000 h Rated	94 %		
LLMF 4000 h Rated	92 %		
LLMF 6000 h Rated	91 %		
LLMF 8000 h Rated	90 %		
LLMF 12000 h Rated	88 %		
LLMF 16000 h Rated	87 %		
LLMF 20000 h Rated	86 %		
Operating and electrical			
Power (Nom)	27.8 W		
Lamp Current (Nom)	0.170 A		
Temperature			
Design Temperature (Nom)	30 ℃		

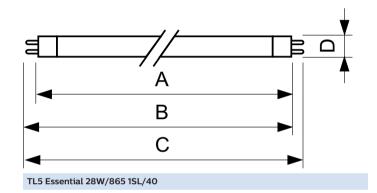
Datasheet, 2022, August 7 data subject to change

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Controls and dimming			
Dimmable	No		
Mechanical and housing			
Bulb Shape	T5 [ 16 mm (T5)]		
Approval and application			
Mercury (Hg) Content (Nom)	2.0 mg		
Energy Consumption kWh/1000 h	31 kWh		
Product data			
Full product code	871150057047555		

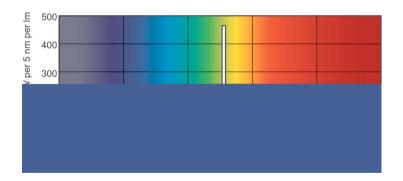
Order product name	TL5 Essential 28W/865 1SL/40
EAN/UPC - Product	8711500570475
Order code	927926786558
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927926786558
Copy Net Weight (Piece)	88.500 g

#### Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
TL5 Essential 28W/865	17.0 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm
1SL/40					

### Photometric data



LDPO\_TL5ESS8\_ESS\_865-Spectral power distribution Colour

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